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Components for fire-extinguishing systems using gas — Requirements and test methods — Container valve assemblies and their actuators; selector valves and their actuators; nozzles; flexible and rigid connectors; and check valves and non-return valves

Composants pour les systèmes d'extinction d'incendie utilisant des agents gazeux — Exigences et méthodes d'essai — Vannes de réservoir et leurs dispositifs d'asservissement; vannes de sélection et leurs dispositifs d'asservissement; diffuseurs; connecteurs flexibles et rigides; et vannes d'arrêt et clapets de retenue



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 16003 was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 8, *Gaseous media and firefighting systems using gas*.

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Introduction

This International Standard has been prepared by a specialist working group of ISO/TC 21/SC 8 as a companion document to ISO 14520 (all parts) and is compatible with corresponding documents prepared by CEN. It does not cover all components incorporated in gaseous fire extinguishing systems dealt with in ISO 14520 (all parts); rather, it is restricted to key components only, viz., container valve assemblies, flexible connectors, check valves and non-return valves, selector valves and associated actuators and discharge nozzles.

CO₂ system components are also covered by this International Standard (see ISO 6183).

NOTE The components requirements of this International Standard are also satisfied by the requirements of EN 12094 (all parts).